Recreational Use Attainability Analysis

Cover Sheet

Water Body Name: Basin Fork
Water Body Identification #:
Completed UAA Checklist: Pre-Field Preparatory Data Sheet Maps with actual survey sites marked Data Sheet A Data Sheet B - 3 of 3 pages for each site Number of Sites: Data Sheet C (if applicable) Number of Interviews: Number of Interviews: Photographs Quantities Upstream Downstream Other Other
I, the undersigned, hereby affirm to the best of my knowledge, that all information reported in this UAA
Signed: ACHALLAND Date: 7/18/2006 Printed Name: CAVOLOA GALLAND Telephone #: (410) 356-8993 Organization: Thya The Position: Scientist

<u>Pre-Field Preparatory Data Sheet</u> for Recreational Use Stream Surveys

Water Body Name: (from USGS 7.5' quad)	rK
8-digit HUC: N/A	Missouri Water Rody Hawking 1
County: Pettis	Missouri Water Body Identification (WBID) #: 867
Upstream Legal Description:	
Downstream Legal Description:	
Discharger Facility Name(s): 6(11)	Ridge Lagoon
Dischange	28849654
Weather Cantillian Car	
	t, humid, sunny

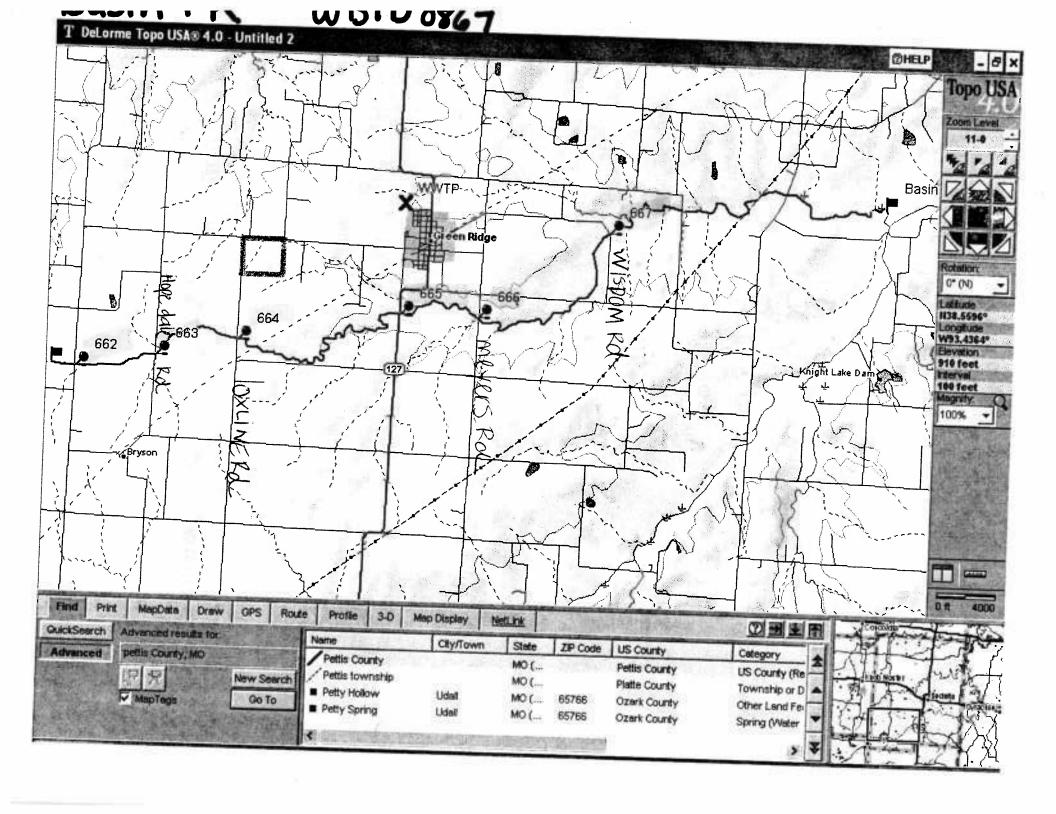
Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest.

WBID # <u>867</u> Date: <u>07/18/2006</u>

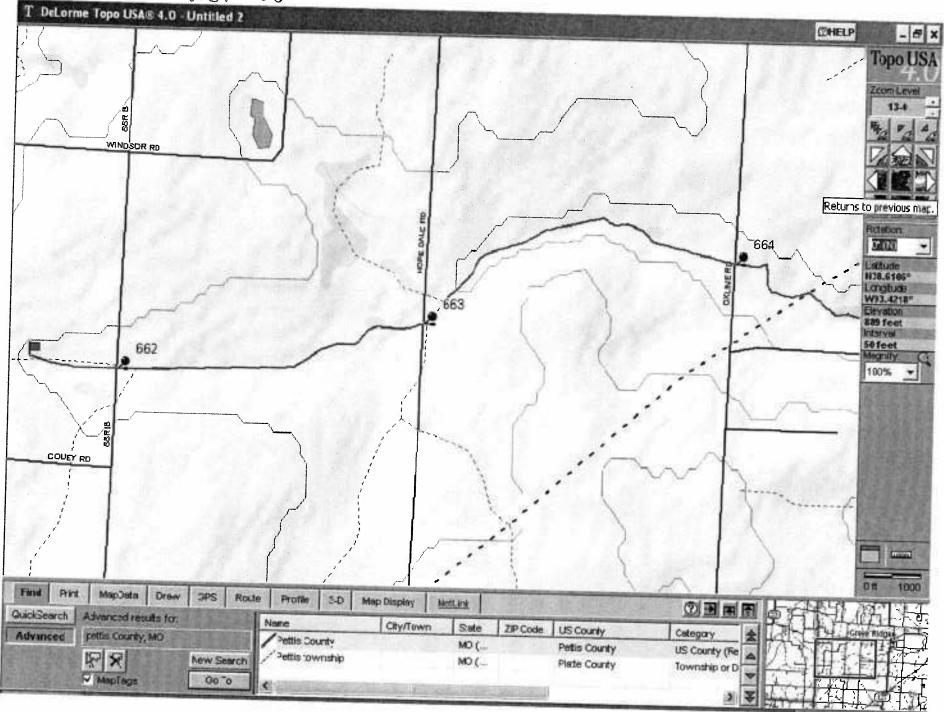
Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

Water Body Name: BUSIN Fork
WBID #: 867
Upstream Coordinates:
(WGS 84, ddd.ddddd) 38.62274, 93.36754 (511667)
Downstream Coordinates: 29 50 115 00 150 150 150 150 150 150 150 1
(WGS 84, ddd.ddddd) 38.59660, 93.49079 (site 662)
Current Weather Conditions: Hot, Sunny, humid
Number of Sites Evaluated: (c) K l, 115 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
rame(s) of surveyor(s): carolina Gallardo, Alex DeWire



· Basin FK. WBID 867



Basin FK. 867 WBIP 1 DeLorme Topo USA® 4.0 - Untitled 2 @HELP - 8 x Topo USA D XA Green Ridge 0° (N) Latitude H38.6131° Longitude W93,3005* Elevation #24feet Interval 100 feet 666~ MOCENTY: 100% + र्म ^{गू}Knight Lake Dam Find Print MapDate OPS Route Profile 3-D Map Display NetLink 2 3 5 QuickSearch Advanced results for Norte City/Town State ZP Code US County Category Pettie County, MO Advanced Pettin County MO (... Pettis County US County (Re 名名 Pellis luvurship New Search MO (... Plotte County Townstap ur D Wantan Go To > 2

WBID#_<u>\$67</u> Site#__662

Date: 07/18 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd):	10.011460		Arrival Time	
Longitude (ddd.dddd): 93.49079			28
Photo Ids: Upstream	1:	Downstream:	Other:	<u> </u>
ill	e2	1163		1165
rrative Descriptio	n of Location: (D	agorih a sasa d		
at HWV B	bridge in	Secribe access point to strea	m, nearby roads, landmarks, et	cc.)
	- Tronge Cr))) () () () () () () () () (
rrounding Conditi	ons*: (Mark all that	promoto or in-	_	
s of interest.)	(promote of impede recreation	onal uses. Attach photos of evi	dence or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lar	nde 🗇 II-l	
☐ Boating accesses	☐ State parks	☐ National forests	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	☐ Campgrounds
☐ No trespass sign	Fence 1163		☐ Nature trails	☐ Stairs/walkway
		Control stopes	Other: Ag. fil	lds (1145)
nan Uses Observe	d*:		J	
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	
☐ Wind surfing	☐ Kayaking	☐ Boating		☐ Water skiing
☐ Hunting	☐ Trapping		□ Wading	Rafting
Describe: (include numb	per of individuals recr	eating, frequency of use, pl	None of the above loto-documentation of evidence	Other:
			- Formending of evidence	e of recreational uses, etc
ence of Human Us	e*:			
Roads	☐ Foot paths/prints	B ☐ Dock/platform		T
Rope swings	☐ Camping Sites	Platform	☐ Livestock Watering	☐ RV / ATV Tracks
Other: Trash	(1165) (11C	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
ees of Pollution: (e.	(6 1371.0			
***************************************	1 0, 11	, and best discharges, etc	.)	

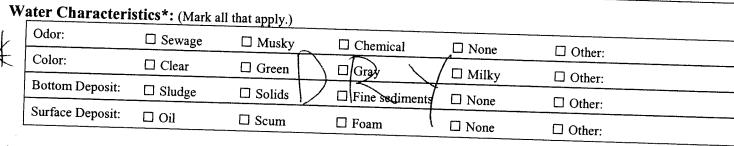
RC: AD

WBID # 867 Site # 662

Date: 07/18/2006

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology: **Upstream View Physical Dimensions:** Distance from Width (m) access point (m) Length (m) Avg. Depth (m) Max Depth (m) ☐ Riffle □ Run ☐ Pool ☐ Flow Present? ☐ Yes □ No Velocity (ft/sec): **Downstream View Physical Dimensions:** Distance from Width (m) Length (m) access point (m) Avg. Depth (m) Max Depth (m) ☐ Riffle □ Run ☐ Pool ☐ Flow Present? ☐ Yes □ No Velocity (ft/sec): Substrate*: (These values should add up to 100%.) % Cobble % Gravel % Sand % Silt % Mud/Clay % Bedrock Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)



^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

SEGMENT no pools available)

QC: AD

WBID # 867 Site # 662

Date: 07/18 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	_
	_
	-

WBID # <u>\$67</u> Site # <u>662</u>

Date: 07/ 18 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

2. Have you pe	ersonally used the	is water body for r that apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
7,5	served others using the check ALL to	ing this water hody	lease describe:	
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
Hiintina	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
☐ Hunting				La Ottlet:
	More than $1-5$ times	ved it being used for 5 times per year per year time per year – ple	or recreation?	LI Other:
How ofter	More than: $1 - 5 \text{ times}$ Less than 1	5 times per year per year	or recreation?	LI Other:
How ofter	More than: $1 - 5 \text{ times}$ Less than 1	5 times per year per year	or recreation?	LI Other:

WBID # 867 Site # 663

Date: <u>07/18/2006</u>

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Longitude (ddd.dddd):	93.47226	7	Arrival Time:	17
Photo Ids: Upstream:		Downstream:		1 [
1167		1166	Other:	
rrative Description	of Location: (De	escribe access point to stream,		
at Hope Dale	Rd bridge	CYOSSING.	nearby roads, landmarks, etc	:.)
rounding Condition	ons*: (Mark all that	promoto or invast		
	- (ark an mat	promote or impede recreationa	l uses. Attach photos of evid	lence or unusual
☐ City/county parks ☐ Boating accesses	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ No trespass sign	☐ State parks ☐ Fence	☐ National forests	☐ Nature trails	☐ Stairs/walkway
		☐ Steep slopes	Other: Gillos	
nan Uses Observed	<u> *:</u>		•	·
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	П W 1 ··
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Water skiing ☐ Rafting
Hunting Describe: (include numb	Trapping	☐ Fishing		
	er or marviduals recr	eating, frequency of use, photo	e-documentation of evidence	of recreational uses, et
ence of Human Use	2*•			
(Roads	☐ Foot paths/print	s □ Dock/platform	☐ Livestock Watering	DW/ATTER
Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ RV / ATV Tracks
Other:				☐ Fishing Tackle
		es, drainages, discharges, etc.)		

QC: AD

WBID # 867 Site # 663

Date: 07/18 / 2006

Data Sheet B - Site Characterization - 2 of 3

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (n
☐ Riffle					Jepin (n
□ Run					
Pool	20	2.8	20	0.5	0.
Flow	Present?	⊠No	Velocity (ft/sec):		0.6
Downstree	17: DI				
Downstrea	am View Physical I	Dimensions:			
	access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m
Riffle					1
Run					
Pool	20	4.2	25	0.45	07
Flow	Present?	DXNo	Velocity (ft/sec):		0.5
hstrata*• /	Theory 1	. Do			
%	These values should add Cobble 25% G		DOLS ONLY		
<u> </u>					% Bedro
matia Vacas	tation*: (Note amount	of vegetation or algal	growth at the assessmen	t site) Dool <	2.11.77
uatic vege	10 00000000	1 1000 0 000) and descending	t site.) POOLS	ONLY
Modera	te arribunis 6	4 Macrophy	HES UN US Pa	기.	
Modera	te amounts o	of viacroprity	tes un US pa	기 .	
Mackera			tes un US pa	کا . 	
ater Charac	eteristics*: (Mark all t		-		
ater Charac		hat apply.)	POOLS ONL	-Y	Includia
odor:	eteristics*: (Mark all t	hat apply.) Musky	POOLS ONL	-Y one ⊠ Other: Ø	Inaerobic
ater Charac	eteristics*: (Mark all t	hat apply.) Musky Green	POOLS ONL	ne 🗷 Other: 🗸	Inalmbic

□ None

☐ Other:

* Signisht is dry but standing pools are available.

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WBID # 867 Site # 663

Date: 07/18 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	_

WBID # <u>867</u> Site # <u>663</u> Date: <u>07 / 18 / 2006</u>

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

Swimming	The check the chief	That apply:	ecreation since 1975?	103 110
	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
Have you obs	served others us	ing this water body hat apply:	for recreation since 1	975? □ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
How often How often Additional Con	More than 1 3 1 - 5 times 4 Less than 1	rved it being used for times per year per year time per year — ple		

Telephone #:

WBID# 867 Site# 664

Date: 07/18/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3 separate Data Sheet B must be completed for each

Latitude (ddd.dddd):	38 60180			
Longitude (ddd.dddd):	:93 (153/10		Arrival Time:	2 1
Photo Ids: Upstream:		Downstream:		214
•	1168	Downstream:	Other: 1169 1170	
rrative Description	of Location: (D.			
at Oxline R	d bridge (escribe access point to stream, r	nearby roads, landmarks, etc	c.)
rrounding Conditions of interest.)	ons*: (Mark all that	promote or impede recreational	uses. Attach photos of evic	lence or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	ПСотт
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	Campgrounds
☐ No trespass sign	Fence 1169	☐ Steep slopes	Other: Fillds	☐ Stairs/walkway
man Uses Observed	*:		17 1203	
☐ Swimming	☐ Skin diving	☐ SCUBA diving		1_
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Tubing	☐ Water skiing
☐ Hunting	☐ Trapping	C Fili	Wading	Rafting
Describe: (include numb	er of individuals recr	eating, frequency of use, photo	None of the above	Other:
				or recreational uses, etc
ence of Human Use	2*:		1170	
Roads	☐ Foot paths/prints	B □ Dock/platform	Livestock Watering	
Rope swings	☐ Camping Sites	☐ Fire pit/ring	□ NPDES Discharge	☐ RV / ATV Tracks
Other:			1 TI DES Discharge	☐ Fishing Tackle
res of Pollution.	g., trash dumping, tire	s, drainages, discharges, etc.)		
ees of Fonution: (e.g	1 3,	Boo, discharges, etc.)		

QC AD

WBID #_	867	_Site#_	664
Date: <u>07</u>			

Data Sheet B - Site Characterization - 2 of 3

	Distance from access point (m)	Width (m)	Length	(m)	Avg. Depth (m)	Max Depth (m
□ Riffle						Depth (ii
☐ Run						
Pool	15		15		0.05	0.1
Flow	Present?	No No	Velocity (ft/s			U . I
Downstrea	am View Physical	Dimensions				
	Distance from access point (m)	Width (m)	Length ((m)	Avg. Depth (m)	
□ Riffle					Avg. Depth (III)	Max Depth (m
□ Run						
▶ Pool	15	3	15		0.15	0
Flow	Present?	Ø.No	Velocity (ft/se	ec):	0.13	0.3
hetroto*. /						
10 %	These values should ad Cobble 30 % (OLS ONLY			
	1 00 /0		Sand 2	<u> </u>	70	% Bedro
uatic Vege	tation*: (Note amour	nt of vegetation or algal	growth at the ass	sessment s	ite.) POOLS OK	1CY
N/A					<u>, 1000/ 01</u>	307
ater Charac	teristics*: (Mark all	that apply.)	POOLS	A A > 6	\	
Odor:	☐ Sewage	_	Chemical	ON None		
Color:	Clear		Gray	<u> </u>	- Other.	
Bottom Depo			Fine sediments	☐ Milky ☐ None	— other.	· · · · · · · · · · · · · · · · · · ·
Surface Depo	sit. Closs	1		⊔ None	Other:	
Surface Depo	sit: 🗆 Oil	Ø Scum □ 1	Foam	□ None	☐ Other:	

* Segment dry, standing pools available.

** unable to access us portion, therefore a

VISUAL estimate was performed.

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WBID # <u>\$67</u> Site # <u>664</u>
Date: <u>07/18/2006</u>

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	-
	_

WBID#___867_Site#__664__

Date: 07/ 18/2066

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

2. Have you pe		is water body for rethat apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Water skiing
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Rafting ☐ Other:
3. Have you obs	erved others usi	ng this water body	for recreation since 19	975? □ Yes □ No
☐ Swimming	se check ALL th	at apply: ☐ SCUBA diving		T
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Tubing ☐ Wading	☐ Water skiing
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Rafting ☐ Other:
How often G G G	More than $1 - 5$ times	ved it being used for times per year per year time per year – ple	or recreation?	
4. Additional Con	mments:			

WBID #_ 867 Site # _ 665

Date: 07/18/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd):	70.40+14		Arrival Time:	
Longitude (ddd.dddd):	43.41606		12	32
Photo Ids: Upstream:		Downstream:	Other: 1174	
1172		1173	1174	
ometic D	_		1175	
arrative Description	of Location: (Do	escribe access point to stre	eam, nearby roads, landmarks, et	c.)
at Hwy 127	- briage a	1055ing		
arrounding Condition	ns*• (Morle oll above			
ms of interest.)	us . (Wark all that	promote or impede recrea	tional uses. Attach photos of evid	dence or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation 1	ands Urban areas	
☐ Boating accesses	☐ State parks	☐ National forests		☐ Campgrounds
☐ No trespass sign	□ No trace : □		□ Nature trails	☐ Stairs/walkway
		☐ Steep slopes	Other: SUAS	
ıman Uses Observed	*:			
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
Hunting	□ Trapping	☐ Fishing		
Describe: (include numbe	er of individuals reci	eating, frequency of use,	None of the above photo-documentation of evidence	e of recreational uses, etc
				3, 23
	•			
dence of Human Use	*•			
Roads	☐ Foot paths/print	S Dools/place		T
☐ Rope swings	☐ Camping Sites		= Sivestock Watering	☐ RV / ATV Tracks
Other: artiful	(11711) box	Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
y graffin	1(1174) 1802	h(1175)		
	, trash dumping tire	es drainages discharges	ata)	
rces of Pollution: (e.g.		-, walle co. Unclinions	CLC. 1	
rces of Pollution: (e.g.	F.n.g, viii	5 - 3, a.z. Mar geo,		

V D	VBID # Date: <u>_</u>	<u>867</u> Site#	665
		Dat	a Sheet
S	tream Mor Upstream	phology: View Physical Din	nension
		Distance from	W
	□ Riffle	Distance from access point (m)	
		Distance from	
	☐ Riffle	Distance from	

Data	Sheet B -	Site	Characterization - 2 of 3
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ns: Width (m) Length (m) Avg. Depth (m) Max Depth (m) 10 8 0.18 02 Velocity (ft/sec): **Downstream View Physical Dimensions:**

		Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
f.	☐ Riffle					- That Depth (III)
X	□ Run					
ſ	Pool	72	5.9	20	0.65	<i>5.0</i>
	Flow	Present?	∑XNo	Velocity (ft/sec):	0.65	0.8
Su		These values should add		OLS ONLY		
	20 70	Cobble 50 % G	ravel 20%	Sand 10 %	Silt % Mud/Clay	% Bedroo

	76 % Sitt % Mud/Clay	% Bedrock
Aq	Attach A and free by a class was for the assessment site.) POCS ONCY	<u> </u>
1/	Attached and floating algae was found in moderate and	CG .
*	amounts on Ds pool () ()	aonts
Ł	amounts on DS pool. slight amounts of attached algae	whe
Wa	ter Characteristics to a 1 min of found in US pool	

Water Characteristics*: (Mark all that apply.) POOLS ONLY Odor: ☐ Sewage ☐ Musky ☐ Chemical None ☐ Other: Color: ☐ Clear ☐ Green ☐ Gray Milky ☐ Other: Bottom Deposit: ☐ Sludge ☐ Solids Fine sediments □ None ☐ Other: Surface Deposit: □ Oil ☐ Scum ☐ Foam None ☐ Other:

* Segment is dry but standing pools available.

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WBID# 867 Site# 665

Date: 07/18 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	_
	_
	_

WBID# 867 Site# 665

Date: 07 / 18 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

2. Have you po	ersonally used the	is water body for rethat apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:
. Have you ob	served others us	ing this water body	for recreation since 19	975? □ Yes □ No
☐ Swimming	☐ Skin diving	□ SCUBA diving	☐ Tubing	□ Water al.:
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Water skiing ☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
How ofter	More than $1-5$ times	ved it being used for 5 times per year per year time per year — ple	or recreation?	
. Additional Co		mile per year - pic		

Telephone #:

WBID #_ 867_ Site #_ 666

Date: <u>07/18/2006</u>

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Steep slopes		
Photo Ids: Upstream: Downstream: Other: 177		
Arrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.) At Meyers Rd bridge Crossing: Arrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unus of interest.) City/county parks Playgrounds MDC conservation lands Urban areas Came of interest.) Boating accesses State parks National forests Nature trails Stair of interests.) Mot respass sign Fence Steep slopes Other: Tilds Manu Uses Observed*: Swimming Scuba diving Tubing Wating Rafting of the land of the include number of individuals recreating, frequency of use, photo-documentation of evidence of recreations of the land of the		
Playgrounds National forests Nature trails Stair Swimming Skin diving ScuBA diving Tubing Wating Wating Hunting Trapping Fishing None of the above Other Other Citical and so include number of individuals recreating, frequency of use, photo-documentation of evidence of recreating Royaking Dock/platform Livestock Watering Royaking Rope swings Camping Sites Fire pit/ring NPDES Discharge		
rrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unus of interest.) City/county parks		
rrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unus of interest.) City/county parks		
rrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unuses of interest.) City/county parks		
□ City/county parks □ Playgrounds □ MDC conservation lands □ Urban areas □ Cam □ Boating accesses □ State parks □ National forests □ Nature trails □ Stair □ No trespass sign □ Fence □ Steep slopes □ Other: □ Comman Uses Observed*: □ Swimming □ Skin diving □ SCUBA diving □ Tubing □ Wating □ Wading □ Raftire □ Hunting □ Trapping □ Fishing □ None of the above □ Other □ Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreations) □ Requence of Human Use*: □ Roads □ Foot paths/prints □ Dock/platform □ Livestock Watering □ RV / A □ Rope swings □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A □ Rope swings □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A		
□ City/county parks □ Playgrounds □ MDC conservation lands □ Urban areas □ Cam □ Boating accesses □ State parks □ National forests □ Nature trails □ Stair □ No trespass sign □ Fence □ Steep slopes □ Other: □ Comman Uses Observed*: □ Swimming □ Skin diving □ SCUBA diving □ Tubing □ Wating □ Wading □ Raftire □ Hunting □ Trapping □ Fishing □ None of the above □ Other □ Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreations) Individual Playgrounds □ Dock/platform □ Livestock Watering □ RV / A Rope swings □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Playgrounds □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Playgrounds □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Playgrounds □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Playgrounds □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Playgrounds □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Playgrounds □ Camping Sites □ Playgrounds □ RV / A Playgrounds □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Playgrounds □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Playgrounds □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Playgrounds □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Playgrounds □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Playgrounds □ Camping Sites □ Playgrounds □ RV / A Playgrounds □ Camping Sites □ Playgrounds □ RV / A Playgrounds □ Camping Sites □ Playgrounds □ RV / A Playgrounds □ Camping Sites □ Playgrounds □ RV / A Playgrounds □ Camping Sites □ Playgrounds □ Playg		
Boating accesses	sual	
□ Boating accesses □ State parks □ National forests □ Nature trails □ Stairs □ No trespass sign □ Fence □ Steep slopes □ Other: □ Community □ Skin diving □ SCUBA diving □ Tubing □ Wating □ Wading □ Rafti □ Hunting □ Trapping □ Fishing □ None of the above □ Other □ Othe	narour 4-	
No trespass sign		
Swimming □ Skin diving □ SCUBA diving □ Tubing □ Water Skin diving □ Boating □ Wading □ Rafti □ Hunting □ Trapping □ Fishing □ None of the above □ Other Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreation of the service of Human Use*: Roads □ Foot paths/prints □ Dock/platform □ Livestock Watering □ RV / A Rope swings □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Rope swings □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Rope swings □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Rope swings □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Rope swings □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Rope swings □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Rope swings □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Rope swings □ Camping Sites □ Fire pit/ring □ NPDES Discharge □ RV / A Rope swings	☐ Stairs/walkway	
Swimming Skin diving SCUBA diving Tubing Water Wind surfing Kayaking Boating Wading Rafti Hunting Trapping Fishing None of the above Obscribe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreations frequency of the service of Human Use*: Roads Foot paths/prints Dock/platform Livestock Watering RV/A Rope swings Camping Sites Fire pit/ring NPDES Discharge Camping Sites		
Wind surfing		
Hunting	er skiing	
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreation of the above of th		
ence of Human Use*: Roads	•	
Roads ☐ Foot paths/prints ☐ Dock/platform ☐ Livestock Watering ☐ RV / A ☐ Rope swings ☐ Camping Sites ☐ Fire pit/ring ☐ NPDES Discharge ☐ Fire pit/ring ☐ Fire pit/	uses, etc	
Rope swings ☐ Camping Sites ☐ Fire pit/ring ☐ NPDES Discharge ☐ Fire pit/ring ☐ F		
	ATV Tracks	
, Otto,	To alst	
ces of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)	grackle	
	g Tackle	

WBID # 867 Site # 666

Date: <u>07 / 18 / 2006</u>

Data Sheet B - Site Characterization - 2 of 3

Stream Mo	rphology:	a Sneet B - Site C			·	
Upstream	n View Physical Dir	nensions:				
	Distance from access point (m)	Width (m)	Length	(m)	Avg. Depth (m)	Max Depth (m
☐ Riffle						Depth (III
□ Run						
Pool	25	2	25	5	0.28	0.4
Flow	Present?	No	Velocity (ft/	sec):	0.20	0.4
_						
Downstre	eam View Physical I	Dimensions:				
	Distance from access point (m)	Width (m)	Length	(m)	Avg. Depth (m)	Max Depth (m
☐ Riffle						Depth (iii
☐ Run						
Pool	30	6.5	30		N 25	2.00
Flow	Present?	DX No	Velocity (ft/s	ec).	0.25	0.29
			· clocity (103			
bstrate*:	(These values should add		5 ONLY			
30 %	Cobble 50 % C	iravel 20 % s	Sand	% Silt	% Mud/Clay	% Bedro
matic Vega	etation*• (Nata					
Tipahi	etation*: (Note amount	t of vegetation or algal	growth at the as	sessment si	te.) POOLS ON	LY
FIODITIV	ng algae wa	sabundan	tion bo	th us	and os	pools.
					, , , ,	P 0010.
ater Chara	otovicticat.	Draw				
Odor:	cteristics*: (Mark all		SONLY			
	☐ Sewage	☐ Musky ☐	Chemical	None	☐ Other:	
Color:	Clear	☐ Green ☐ 0	Gray	☐ Milky	☐ Other:	
Bottom Depo	Bradge	□ Solids	ine sediments	□ None	☐ Other:	
Surface Depo	osit: 🗆 Oil	ПСом	•			······································

☐ Foam

None

☐ Other:

* Segment is dry only standing pools available

□ Scum

□ Oil

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 867 Site # 666

Date: 07/ 18/ 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	_
	-
	_
	_

WBID #____867_ Site #___666_

Date: <u>67/18/2006</u>

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

☐ Swimming	ase check ALL Skin diving	□ SCUBA diving		T
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Tubing	☐ Water skiing
☐ Hunting	☐ Trapping	☐ Fishing	☐ Wading ☐ None of the above	☐ Rafting ☐ Other:
Have you obs	served others usi	1 time per year – p	lease describe:	0752 D V
, pica	Se check ALL ti	hat apply:	Tor recreation since I	975? □ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
How ofter	More than $1-5$ times	ved it being used f 5 times per year per year time per year – ple		
Additional Co	mments:			
Additional Co	mments:			

WBID # 867 Site # 667

Date: 07/18 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

1	38.62274		Arrival Time:		
Longitude (ddd.dddd): 93.36754					
Photo Ids: Upstream:		Downstream:	1317 Other:		
	178	1179	Other:		
rrative Description	of Location.				
at wisdom	Rd bridge	escribe access point to stream, n	earby roads, landmarks, etc	2.)	
	Noterrouge	- Orossing.			
rrounding Conditions of interest.)	ns*: (Mark all that	promote or impede recreational	uses. Attach photos of evic	lence or unusual	
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	ПСотт	
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Campgrounds	
☐ No trespass sign	☐ Fence	☐ Steep slopes	Cother: Filas	☐ Stairs/walkway	
nan Uses Observed	*•		1/5-11/0/5		
☐ Swimming	☐ Skin diving	☐ SCUBA diving			
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Tubing	☐ Water skiing	
☐ Hunting	☐ Tranning	G E: 1:	□ Wading	Rafting	
Describe: (include numbe	er of individuals recr	eating, frequency of use, photo-	None of the above	Other:	
Roads	☐ Foot paths/prints	□ Dock/platform	☐ Livestock Watering	D DV/ADV	
Roads	☐ Foot paths/prints☐ Camping Sites	Dock/platform ☐ Fire pit/ring	☐ Livestock Watering	☐ RV / ATV Tracks	
Roads Rope swings			☐ Livestock Watering ☐ NPDES Discharge	☐ RV / ATV Tracks ☐ Fishing Tackle	
Roads Rope swings Other:	☐ Camping Sites				

WBID #	867 Site#	667			,
Date: 07/	18/2006				4
	Dat	a Sheet B - Site Ch	aracterization – 2	of 3	
Stream Mor Upstream					
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					That Depth (III)
☐ Run					
Pool	20	3.7	20	0.35	0.55
Flow	Present?	⊠No	Velocity (ft/sec):		1 000
Downstrea	am View Physical D	Dimensions:			
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					open (m)
☐ Run					
Pool	15	9.5	15	0.28	0.3
Flow	Present?	√ No	Velocity (ft/sec):	0.20	<u> </u>
Substrate*: (These values should add		,		
60 % (Cobble 36 % G	ravel // % S	and 7 %	Silt % Mud/Clay	% Bedrock
Aquatic Veget	tation*: (Note amount	of vegetation or algal o	rowth at the accessmen	4 - 14 - 1	
Abuno US a	iurit flouri	ng algae	and attac	t site.) hed algae	on both
Vater Charac	teristics*: (Mark all t	hat apply.)			
Odor:	☐ Sewage		hemical No		
Color:	Clear	☐ Green ☐ G			

☐ Fine sediments None ☐ Other: Surface Deposit: □ Oil ☐ Scum ☐ Foam None ☐ Other: *This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation

☐ Gray

Bottom Deposit:

☐ Sludge

☐ Solids

☐ Milky

☐ Other:

use analysis but may point to conditions that need further analysis or that affect another use. *Segment is dry, or available. Standing pools are WBID# 867 Site# 667

Date: 07/18/2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

WBID# 867 Site# 667

Date: 07/18 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

	ersonally used the	is water body for r that apply:	ecreation since 1975?	☐ Yes ☐ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
] Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
. Have you obs If so, plea		1 time per year – p. ng this water body nat apply:	for recreation since 1	975? □ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
J Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:
	have you abou	ved it being used for	or recreation?	
How often G G	1-5 times	o times per year per year	ease describe:	
G	1 – 5 times Less than 1	o times per year per year		
G	1 – 5 times Less than 1	o times per year per year		



Site# 662 Photo ID# 1162, Upstream



Site# 662 Photo ID# 1164, Trash



Site# 662 Photo ID# 1163, Downstream



Site# 662 Photo ID# 1165, Agriculture



Site# 663 Photo ID# 1167, Upstream



Site# 664 Photo ID# 1168, Upstream



Site# 663 Photo ID# 1166, Downstream



Site# 664 Photo ID# 1171, Downstream



Site# 664 Photo ID# 1169, Fence



Site# 665 Photo ID# 1172, Downstream



Site# 664 Photo ID# 1170, Watering



Site# 665 Photo ID# 1173, Upstream



Site# 665 Photo ID# 1174, Graffiti



Site# 666 Photo ID# 1176, Upstream



Site# 665 Photo ID# 1175, Trash



Site# 666 Photo ID# 1177, Downstream



Site# 667 Photo ID# 1178, Upstream



Site# 667 Photo ID# 1179, Downstream